

DEPARTMENT OF TRANSPORTATION

DIVISION OF ENGINEERING SERVICES

Office of Structural Materials

Quality Assurance and Source Inspection



Bay Area Branch
690 Walnut Ave.St. 150
Vallejo, CA 94592-1133
(707) 649-5453
(707) 649-5493

Contract #: 04-0120F4Cty: SF/ALA Rte: 80 PM: 13.2/13.9File #: 1.28**WELDING INSPECTION REPORT****Resident Engineer:** Casey, William**Address:** 333 Burma Road**City:** Oakland, CA 94607**Report No:** WIR-028755**Date Inspected:** 14-Nov-2012**Project Name:** SAS Superstructure**OSM Arrival Time:** 700**Prime Contractor:** American Bridge/Fluor Enterprises, a JV**OSM Departure Time:** 1730**Contractor:** American Bridge/Fluor Enterprises, a JV**Location:** Job Site**CWI Name:** See below.**CWI Present:** Yes No**Inspected CWI report:** Yes No N/A**Rod Oven in Use:** Yes No N/A**Electrode to specification:** Yes No N/A**Weld Procedures Followed:** Yes No N/A**Qualified Welders:** Yes No N/A**Verified Joint Fit-up:** Yes No N/A**Approved Drawings:** Yes No N/A**Approved WPS:** Yes No N/A**Delayed / Cancelled:** Yes No N/A**Bridge No:** 34-0006**Component:** OBG**Summary of Items Observed:**

Quality Assurance Inspector (QA) Fritz Belford was at the American Bridge/Fluor (ABF) job site at Yerba Buena Island in California between the times noted above in order to monitor Quality Control functions and the in process work being performed by ABF personnel. The following items were observed:

Welder Wai Kit Lai #2953:

Welder was observed performing exterior weld repairs on weld 8W PP61.5 W2-DAH on indications rejected with Ultrasonic Testing (UTSW) by QC Inspectors. Welder was observed utilizing Welding Procedure Specification (WPS) ABF-WPS-D15-1004 Repair for Shielded Metal Arc Welding (SMAW). Welding parameters as verified by QC Inspector Barry Drake appear to be in compliance with the WPS noted above. Weld noted above is non SPCM and "Request for Weld Repair" (RWR) is not required for R1 and R2 repairs.

Non-Destructive Testing (NDT)

This QA performed Magnetic Particle Testing (MPT) on the following:

Weld 12W W2.1-A1: (Y 0 to 13,250)

- Face A (MPT Reject, 8mm Indication at Y 1995)
- Face A (MPT Reject, 5mm Indication at Y 2340)

Weld 8W PP61.5 W2-DAH:

- Face A Excavation 110 x 20 x 13 Deep at Y 710.
- Face A Excavation 230 x 30 x 13 Deep at Y 1620 + 1735
- Face A Excavation 190 x 30 x 13 Deep at Y 2410 + 2490
- Face A Excavation 80 x 20 x 6 Deep at Y 2995

WELDING INSPECTION REPORT

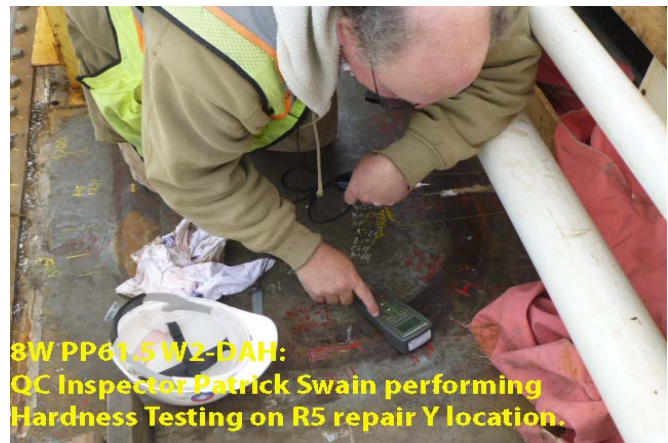
(Continued Page 2 of 2)

- Face A Excavation 170 x 20 x 13 Deep at Y 3140

This QA Inspector completed the report form TL-6028 on this date noting items acceptance or rejection as per applicable code. The completed and accepted work observed at this location appeared to be in compliance with the contract specifications.

This QA also observed QC Inspector Patrick Swain perform Hardness Testing on weld 8W PP61.5 W2-DAH on the R5 repair Y location. Weld RWR for the R5 Y location is pending at this time.

Unless otherwise noted, all work observed on this date appeared to generally comply with applicable contract documents.



Summary of Conversations:

Conversations this day as required for scope of work.

Comments

This report is for the purpose of determining conformance with the contract documents and is not for the purpose of making repair or fit for purpose recommendations. Should you require recommendations concerning repairs or remedial efforts please contact Gary Thomas - (916) 764 - 6027, who represents the Office of Structural Materials for your project.

Inspected By:	Belford,Fritz
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Quality Assurance Inspector

Reviewed By:	Reyes,Danny
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QA Reviewer
